



## Globe Valves Range

## Conex Bänninger Globe Valves

Conex Bänninger Globe Valves are used to stop, open or throttle the flow of the fluid in the system. Globe Valves enable proportional control (flow characteristics) as the relationship between flow rate and the extent of valve lift is linear. Conex Bänninger offers two basic seat and disc configurations, as follows:

- Renewable Composition or Soft Seat (Series 1130)
- Metal to Metal Seat (Series 1131)

Soft seated valves are recommended when the valve is to be used with gasses to ensure a complete shut-off to be achieved. Flow direction should normally be with the pressure under the seat.

Conex Bänninger Globe Valves are manufactured in accordance with EN 5154:1991 Series B, PN32.

### Application and uses

Globe Valves are used for applications requiring throttling and frequent operation. For example, Globe Valves may be used as sampling valves, which are normally shut except when liquid samples are being taken. Since the baffle restricts flow, they are not recommended where full, unobstructed flow is required.

### Valve materials

Conex Bänninger Globe Valves are manufactured from bronze and are suitable for a broad range of applications as they are classed as immune to dezincification, stress corrosion cracking and are highly corrosion resistant. Stress corrosion cracking occurs occasionally in brass valves where high levels of stress in the component are combined with a corrosive environment causing cracks to form and grow. Common corrosive environments for brass are items that contain ammonia, or ammoniacal compounds. These can be found in cleaning fluids, refrigeration gases, sewage waste products, building materials and insulating materials.

For further information refer to Stress Corrosion Cracking at [www.conexbanninger.com/standards](http://www.conexbanninger.com/standards)

### Quality assurance

Conex Universal Ltd is an ISO 9001 Quality Assured company and is registered with the BSI.

### 5-year warranty

When professionally fitted and in accordance with the installation instructions, Conex Bänninger Valves are guaranteed against manufacturing defects for five years from first purchase date. Any alleged defects must be reported to Conex Universal Ltd within one month of the first occurrence, clearly setting out the nature of the claim. The warranty is limited to the repair and replacement of defective fittings at the discretion of Conex Universal Ltd and the company reserves the right to inspect and test the alleged defects. This warranty provided by Conex Universal Ltd does not affect your statutory rights. For more information visit [www.conexbanninger.com](http://www.conexbanninger.com).

### General information

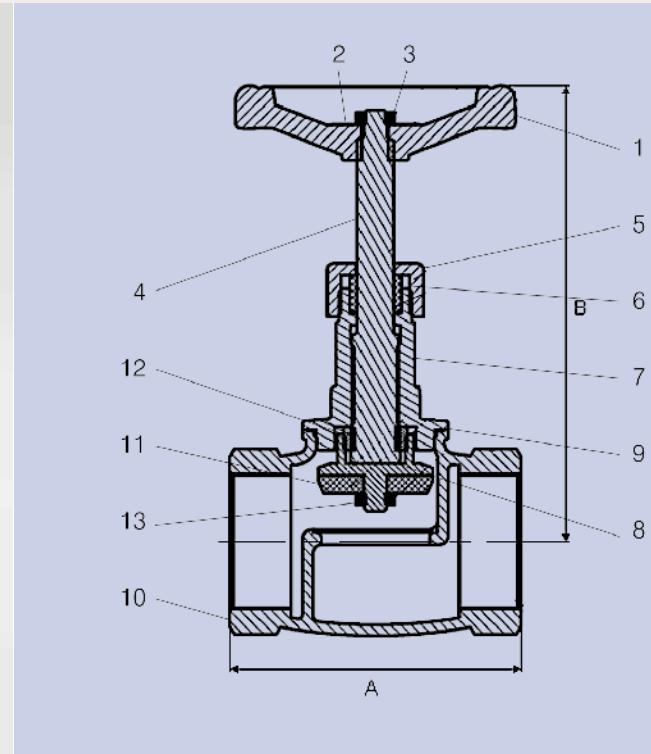
Performance data, including pressure-temperature ratings, has been developed from published standards, supplier material specifications, design calculations and in-house testing. It covers typical applications for the Conex Bänninger Valve product range and is provided as a general guideline.

For specific applications, users are advised to contact Conex Universal Ltd for technical advice, or to complete their own evaluation to prove technical suitability of the products. Failure to follow this may result in damage and personal injury for which Conex Universal Ltd cannot be held liable.

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## Valve range

1130 Globe Valve - Resilient Seat - PN32 - (Bronze)

### Material specification

**Handwheel Version: 1130 - 1/2" - 4"**

No	Component	Material	Specification
1	Handwheel	Aluminium	EN 1706 LM6
2	Rating Disc	Aluminium	EN 1706 LM6
3	Handwheel Nut	Brass	EN 12164 CW614N
4	Stem	Bronze	EN 1982 CC491K
5	Packing Nut	Brass	EN 12165 CW617N-DW
6	Packing	PTFE	PTFE
7	Bonnet	Bronze	EN 1982 CC491K
8	Core	DZR Brass	EN 12164 CW602N
9	Bonnet Washer	Brass	EN 12165 CW617N-DW
10	Body	Bronze	EN 1982 CC491K
11	Seat	PTFE	PTFE
12	Core retention Nut	Brass	EN 12165 CW617N-DW
13	Seat Nut	Brass	EN 12165 CW617N-DW

**Features and benefits:**

- WRAS approved for drinking water systems.
- Provides accurate regulation and control of flow.
- Rising stem design.
- High quality bronze construction.
- Robust and compact design.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- Suitable for use with low temperature hot water and chilled systems.
- Sizes 1 1/4 and above are CE marked
  - Category 1.

**Globe Valve - 1130**

Handwheel Order Code EN 10226-2 (ISO 7-1) thread	Handwheel Order Code ISO 228 thread	Size	DN	A	B	Kv Value	Weight (kg)
113020RRW320404	113020FFW320404	1/2"	15	60	95	2.9	0.30
113020RRW320606	113020FFW320606	3/4"	20	65	100	-	0.54
113020RRW320808	113020FFW320808	1"	25	80	115	12	0.84
113020RRW321010	113020FFW321010	1 1/4"	32	90	135	-	1.36
113020RRW321212	113020FFW321212	1 1/2"	40	100	155	-	1.76
113020RRW321616	113020FFW321616	2"	50	120	174	72	2.97
113020RRW322020*	113020FFW322020*	2 1/2"	65	145	-	-	4.14
113020RRW322424*	113020FFW322424*	3"	80	200	-	-	5.68
113020RRW323232*	113020FFW323232*	4"	100	-	-	-	-

\*Valves available to special order.

**Valve suitability**

Product	Steam	Water	Drinking Water	Oil	Air* (Oil Free)	Gas* (Inert)	Gas* (Combustible)	Gas* (Corrosive)	Gas (Oxygen)
1130	x	✓	✓	✓	✓	✓	✓	✓	x

\* Limited to 10 bar.

**Max. working parameters**

1130	Temperature °C	Pressure bar	Pressure psi
Water	-10 to + 100	32	460
Gas	-10 to +60	5	70

**Gas family application guide**

Class 1: Inert – Air, Argon, Helium, Nitrogen and Carbon Dioxide

Class 2: Combustible – Hydrogen, Methane and Natural Gas

Class 3: Corrosive - Sulphur Dioxide

Class 4: Oxygen

**Specification Clauses:**

Manufactured in accordance with EN 5154: 1991 Series B, PN32.

Design incorporates a replaceable resilient seat disc retained on the stem by a nut.

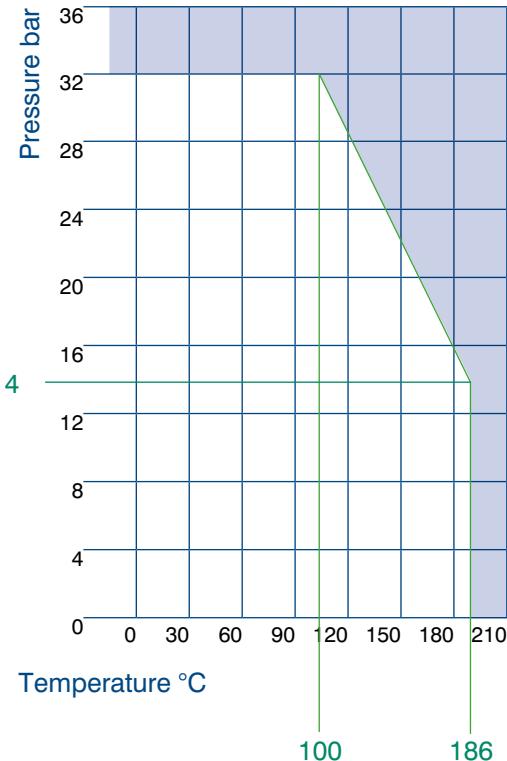
Body seat is integral to the body.

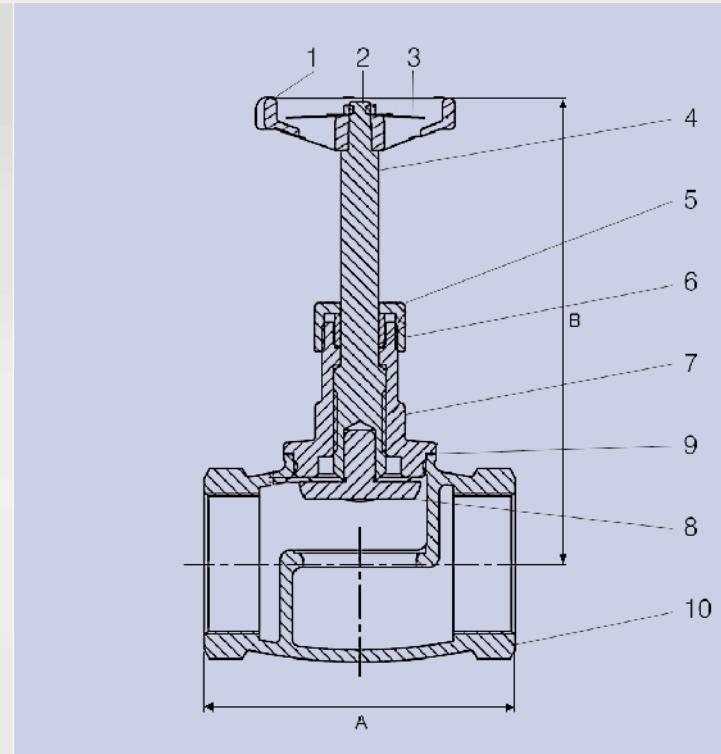
Handwheel operated.

End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

WRAS approved for drinking water systems.

Suitable for low temperature hot water and chilled systems.





## Valve range

1131 Globe Valve - Metal to Metal Seat - PN32 - (Bronze)

### Material specification

**Handwheel Version: 1131 - 1/2" - 4"**

No	Component	Material	Specification
1	Handwheel	Aluminium	EN 1706 LM6
2	Rating Disc	Aluminium	EN 1706 LM6
3	Handwheel Nut	Brass	EN 12165 CW614N
4	Stem	Bronze	EN 1982 CC491K
5	Packing Nut	Bronze	EN 12165 CW617N-DW
6	Packing	PTFE	PTFE
7	Bonnet	Bronze	EN 1982 CC491K
8	Core	DZR Brass	EN 12164 CW602N
9	Bonnet Washer	PTFE	PTFE
10	Body	Bronze	EN 1982 CC491K

**Features and benefits:**

- Designed in accordance with EN 5154.
- WRAS approved for drinking water systems.
- Provides accurate regulation and control of flow.
- Rising stem design.
- High quality bronze construction.
- Robust and compact design.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- Approved for drinking water applications.
- Suitable for use with low temperature hot water and chilled systems.

**Globe Valve - 1131**

Handwheel Order Code EN 10226-2 (ISO 7-1) thread	Handwheel Order Code ISO 228 thread	Size	DN	A	B	Kv Value	Weight (kg)
113120RRW320404	113120FFW320404	1/2"	15	60	95	2.9	0.31
113120RRW320606	113120FFW320606	3/4"	20	65	100	-	0.54
113120RRW320808	113120FFW320808	1"	25	80	115	12	0.84
113120RRW321010	113120FFW321010	1 1/4"	32	90	135	-	1.36
113120RRW321212	113120FFW321212	1 1/2"	40	100	155	-	1.76
113120RRW321616	113120FFW321616	2"	50	120	174	72	2.62
113120RRW322020*	113120FFW322020*	2 1/2"	65	145	-	-	4.14
113120RRW322424*	113120FFW322424*	3"	80	200	-	-	5.68
113120RRW323232*	113120FFW323232*	4"	100	-	-	-	-

\*Valves available to special order.

**Valve suitability**

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1131	x	✓	✓	✓	✓	x	x	x	x

**Max. working parameters**

1131	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +100	32	460

This valve is not suitable for gas applications.

**Specification clauses:**

Manufactured in accordance with EN 5154: 1991 Series B, PN32.

Design incorporates a metal seat disc retained on the stem.

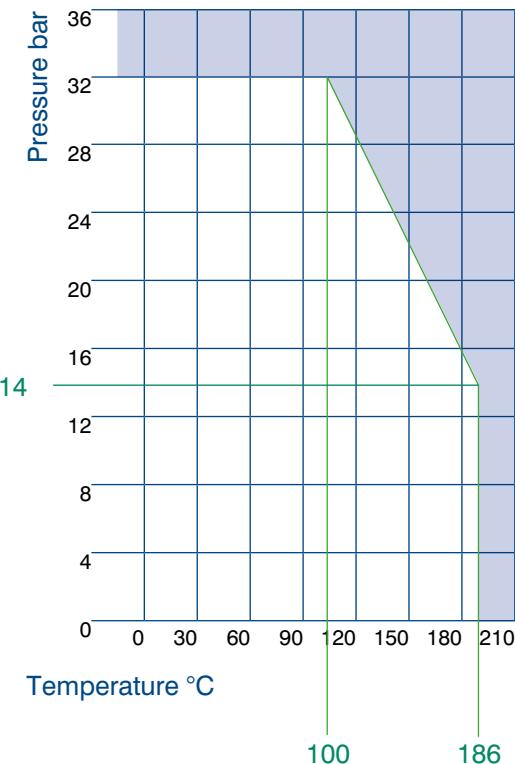
Body seat is integral to the body.

Handwheel operated.

End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

WRAS approved for drinking water systems.

Suitable for low temperature hot water and chilled systems.



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**>B< Press Solar**

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